



# AUTOSTIC

## Hi-Temp Industrial Grade Adhesive Cement



**AUTOSTIC®** — A ceramic Inorganic Compound is a major advance over the 2-part epoxy resin type adhesives. Almost limitless applications in a wide range of industries. Adheres to Keyless Surfaces, e.g. Polished Glass to Polished Silver. Withstands reverse stresses at all temperature variations.

- IT BONDS • ITS FILLS • IT COATS
- IT'S A HEAT AND ABRASION BARRIER

Impervious to oil, gasoline, acids and alkalis including concentrated sulfuric acid - has low thermal conductivity. Excellent electrical insulation for all voltages whether AC or DC and up to 20 radio MHz. • Water will cause cement to break down.

**APPLICATIONS:** Coats Glass to Withstand Higher Temperatures — Glass to Metal — Glass to Ceramics — Metal to Metal — Asbestos to Glass — Ferrite to Ferrite — Glass to Ferrite — Carbon to Metal — Sealing Castings — Gas joint sealing — coal — solder mask-fuse coatings — masks for heat treating furnace kilns — coats brick and mortar — burning appliances. Instrument Assemblies — Fill in cracks in stoves: thermocouples — Quartz to Metal — Induction coils — Thermocouples Coating — Magnets — Potting — Insulators — Thermocouples — Repair tube furnaces — high temperature caulking — coat wooden patterns — WILL NOT ATTACK ANY METALS.

Once cured, it can be machined - milled - drilled - tapped and sawcut.

### INDEPENDENT TESTS PROVE THE STRENGTH OF AUTOSTIC

**Tensile Strength: 250 lbf/in<sup>2</sup> (1.75 Nmm<sup>2</sup>)**  
**Shear Strength: 450 lbf/in<sup>2</sup> (3.15 Nmm<sup>2</sup>)**

**DAMPENS NOISE & VIBRATION TO LESS THAN 80 DECIBLES—**  
**AUTOSTIC HAS DEGREE OF FLEXIBILITY.**

**ABSOLUTELY SAFE • NO HEALTH HAZARDS**

### LOW SHRINKING...LESS THAN 1%

Electrical—Domestic Appliances—Electronics—Coal Mines—  
Manufacturers of Stoves,  
Furnace & Boilers—Glass Manufacturers—R & D—  
Gas Appliances—Ceramics to Metal

**MANUFACTURING FIREPROOF BULKHEAD PANELS ON SHIPS**  
**FIREPROOFING BUILDING MATERIALS**  
**PANELS, CEILING TILE, ETC.**  
**ACID TANKS—KILNS—CHEMICAL SEWERS**

### TESTING OF AUTOSTIC

Compressive Strength	28.4 N/mm <sup>2</sup>	(4100 psi)
Tensile Strength (between steel plates)	1.7 N/mm <sup>2</sup>	(250 psi)
Maximum Tensile Stress (bending test)	7.1 N/mm <sup>2</sup>	(1030 psi)
Shrinkage	1.5%	
Density	2.08 g/cm <sup>2</sup>	(130 pcf)
Hardness	VPN6	(1 kg load)
Volume Resistivity	2.9 x 10 <sup>9</sup> chm/cm	
Dielectric Constant	41.2	
Electrical Capacitance	3.75 x 10 <sup>9</sup> Farads	
Coefficient of thermal expansion (linear expansion)	18.1 x 10 <sup>-6</sup> 1/K	(or 18.1 x 10 <sup>-6</sup> mm/mm/°C or 10.1 x 10 <sup>-6</sup> in/in/°F)

MODEL NO.	CODE	SIZE	VISCOSITY
15001	FC-4	1 lb. Can (500g)	Thin (Spray On)
15002	FC-6	1 lb. Can (500g)	Standard (Brush On)
15003	FC-8	1 lb. Can (500g)	Thick (Trowel On)
15006	FC-8	7 lb. Can (3kg)	Thick (Trowel On)

\*For greater electrical insulating properties add Mica Dust